

**ABSTRACT OF THE INVENTION**

The present invention provides a low profile transformer including a bobbin and core structure. The bobbin further includes a primary coil, a secondary coil and a plurality of pins formed thereon. The core structure is coupled to the bobbin. In addition, the core structure includes an I-core and two U-cores coupled to each other. Alternatively, the I-core includes at least one recessed edge and the U-cores include at least one protrusive edge. The U-cores are coupled to the I-core by means of the recessed edge and the protrusive edge.

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